



DEPARTMENT OF WATER RESOURCES
EXAMINATION ANNOUNCEMENT



The Department of Water Resources offers Equal Opportunity for all regardless of race, color, creed, national origin, ancestry, sex, marital status, disability, religious or political affiliation, age, or sexual orientation.

It is an objective of the State of California to achieve a drug-free State workplace. Any applicant for State employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service and the special trust placed in public servants.

ELECTRICAL - MECHANICAL TESTING TECHNICIAN II
DEPARTMENTAL PROMOTIONAL

FINAL FILING DATE	February 12, 2010		
	Application forms (STD 678) must be POSTMARKED no later than the final filing date. Applications postmarked, personally delivered, faxed, or received via interoffice mail after the final filing date will not be accepted for any reason . <u>Faxed or photocopied applications must be followed by an application with an original signature in order to be accepted into the exam.</u>		
WHO SHOULD APPLY	<p>Applicants must have a permanent civil service appointment with the Department of Water Resources as of the final filing date, February 12, 2010; or</p> <p>Must be a current or former employee of the Legislature for two or more years as defined in Government Code 18990; or must be a current or former non-elected exempt employee of the Executive Branch for two or more consecutive years as defined in Government Code 18992; or must be a person retired from the United States military, honorably discharged from active military duty with a service-connected disability, or honorably discharged from active duty as defined in Government Code 18991.</p>		
HOW TO APPLY	<p>Examination Applications (Form STD 678) may be mailed or filed in person to:</p> <table><tr><td>MAILING ADDRESS: Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001</td><td>FILE IN PERSON: Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814</td></tr></table> <p>DO NOT SEND APPLICATIONS TO THE STATE PERSONNEL BOARD OR DEPARTMENT OF WATER RESOURCES' FIELD OFFICES. Applications are available at Department of Water Resources' (DWR) offices, the DWR website: www.water.ca.gov/jobs/currentexams.cfm, local office of the Employment Development Department, the State Personnel Board (SPB), and the SPB website: www.jobs.ca.gov</p>	MAILING ADDRESS: Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001	FILE IN PERSON: Department of Water Resources 1416 9 th Street, Room 320 Sacramento, CA 95814
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SPECIAL TESTING ARRANGEMENTS	If you have a disability and need special testing arrangements, mark the appropriate box in Question 2 of the "Application for Examination". You will be contacted to make specific arrangements.		
IDENTIFICATION REQUIRED	Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.		
SALARY RANGE	\$5075 - \$6125		
ELIGIBLE LIST INFORMATION	A departmental promotional eligible list will be established for the Department of Water Resources. The list will be abolished 12 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.		
WRITTEN EXAMINATION DATE	The entire examination will consist of a Written exam. The Written exam will be administered April 17, 2010		
REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION	<p>NOTE: All applicants must meet the minimum qualifications for this examination by the Written examination, April 17, 2010.</p> <p>Qualifying experience may be combined on a proportionate basis if the requirements stated below include more than one pattern and are distinguished as "Either" I, "or" II, "or" III, etc. For example, candidates possessing qualifying experience amounting to 50% of the required time of Pattern I, and additional experience amounting to 50% of the required time of Pattern II, may be admitted to an examination as meeting 100% of the overall experience requirement.</p>		
MINIMUM QUALIFICATIONS	<p>Either I</p> <p>One year of experience in the California state service performing the duties of an Electrical/Mechanical Testing Technician I, Range B.</p> <p>Or II</p> <p>Experience: Three years of responsible and varied experience performing testing, calibrating and maintenance of electrical and mechanical apparatus, including protective relays and metering in electric utility facilities or equivalent industrial facilities; and</p> <p>Education: Completion of an approved two-year technical curriculum in electrical or electronic technology at the community college level or equivalent. (Additional qualifying experience may be substituted for the required education on a year-for-year basis.)</p>		

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION

POSITION DESCRIPTION

This is the full journey level. Under direction, incumbents perform the more difficult technical work involved in conducting operational and maintenance tests of electrical, mechanical, and electromechanical apparatus, associated with large hydroelectric power and pumping plants and switchyards of the State Water Project, and does other related work.

Positions exist with the Department of Water Resources.

EXAMINATION INFORMATION

This examination will consist of a **Written Examination – Weighted 100.00%**. In order to obtain a position on the eligible list, a minimum rating of 70.00% must be attained in the written exam. **COMPETITORS WHO DO NOT APPEAR FOR THE WRITTEN EXAMINATION WILL BE DISQUALIFIED.**

SCOPE OF EXAMINATION	Written Examination – Weighted 100.00%
	<div><div>A. Knowledge of:</div><div><div>1. Safety of clearance procedures.</div><div>2. Care and use of hand and power tools.</div><div>3. Electrical and electronic theory and practice.</div><div>4. Math through trigonometry, including vector analysis.</div><div>5. Equipment and procedures required for maintenance and calibration of electrical, electronic, hydraulic, and pneumatic test equipment.</div><div>6. Material, equipment needed and procedures for testing electrical, electromechanical and electronic devices associated with large generating and pumping plants and switchyards.</div><div>7. Electronic, electrometric and hydraulic equipment and procedures for setup and operations of instrumentation systems for testing flow, vibration, pressure, temperature, speed and displacement transducers.</div><div>8. Equipment, procedures, and safety requirements for using high - voltage test apparatus for testing insulation, and supervisory control and data acquisition.</div><div>9. Analyze test results.</div></div></div> <div><div>B. Ability to:</div><div><div>1. Establish and maintain effective relations with those contacted in work.</div><div>2. Prepare reports and maintain records.</div><div>3. Interpret electrical, electromechanical, and electronic diagrams and schematics.</div><div>4. Interpret test procedures.</div><div>5. Set up and operate test procedures.</div><div>6. Repair and maintain electrical, electronic and electromechanical test equipment.</div><div>7. Use oscillographs, recorders, transducers, and signal conditioning equipment for performing special diagnostic tests on large rotating equipment.</div><div>8. Analyze situations accurately and recommend an effective course of action.</div></div></div>

VETERANS PREFERENCE

Veterans Preference Credit will not be granted.

GENERAL INFORMATION

The Department of Water Resources reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.

For any examination without a written feature it is the candidate's responsibility to contact the Selection Services Section of the Department of Water Resources, (916) 653-4838 three weeks after the final filing date if he/she has not received a progress notice.

Applications are available at Department of Water Resources' (DWR) offices, the DWR website: www.water.ca.gov/jobs/currentexams.cfm, local office of the Employment Development Department, the State Personnel Board (SPB), and the SPB website: www.jobs.ca.gov

If you meet the requirements stated on the reverse, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. All candidates who pass will be ranked according to their scores.

General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the classification.

Examination Locations: When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. Ordinarily, qualifications appraisal interviews are scheduled in Sacramento and Los Angeles. However, locations of interviews may be limited or extended as conditions warrant.

If a candidate's notice of oral interview fails to reach him/her prior to the day of the interview due to a verified postal error, he/she will be rescheduled upon written request.

Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) subdivisional promotional, 2) departmental promotional, 3) multidepartmental promotional, 4) servicewide promotional, 5) departmental open, 6) open eligible list. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on this bulletin. In the case of continuous testing examinations, names are merged into the appropriate lists in order of final test scores (except as modified by veterans preference credits) regardless of the date of the test, and the resulting eligible lists will be used only to fill vacancies in the area shown on the bulletin.

TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device. California Relay Telephone Service for the Deaf or hearing impaired: From TDD phones: 1-800-735-2929; From Voice phones: 1-800-735-2922.

For information regarding this examination, please contact Laura Franco at (916) 653-5803
D/P (Rev. 1/10)

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